

CLAIMS

I claim:

1. A front wheel drive mechanism for a vehicle, the mechanism permitting simultaneous displacement movement forwards and backwards and angular turning toward the right and the left, comprising:

a pair of supports attached to the vehicle;

a drive bar positioned between the supports;

a sub-assembly mounted at each end of the drive bar, each respective sub-assembly including a clasp and a cross link, two legs of which are fitted into respective openings in the clasp mounted on the end of the drive bar and the other two ends of which are fitted into respective openings in another respective clasp attached to each wheel of the vehicle; and

a respective L-shaped rotational element fastened to the ends of the clasp of the wheel into which are fitted the ends of a steering bar that has a U-shaped part in the center designed to accommodate the steering axle, one end of which is bent into an L shape and the other end of which is connected to a steering wheel of the vehicle,

wherein the entire assembly is attached to the vehicle by means of the supports and with the wheels being attached at the end.

2. The mechanism in accordance with claim 1, wherein the drive bar is a crankshaft bar with pedals.

3. The mechanism in accordance with claim 1, wherein the drive bar is a smooth bar with a gear to operate the vehicle by an electric motor drive system.

4. The mechanism in accordance with claim 1, wherein hub caps are attached to the wheels.

5. The mechanism in accordance with claim 1, wherein the wheels have keyways that are fitted into keyways of cylindrical bodies of the clasps.
6. The mechanism in accordance with claim 1, wherein the supports are separate pieces attached to the vehicle by screw attachment elements.
7. The mechanism in accordance with claim 1, wherein the supports are made integral with the vehicle by attachment elements.
8. The mechanism in accordance with claim 1, wherein the supports have holes at their lower ends to accommodate passage of the drive bar.
9. The mechanism in accordance with claim 1, wherein the vehicle is a toy vehicle.